

Description:

Low Noise Amplifier designed for Military and Industrial applications. This amplifier is supplied in our standard PE2 housing and can be used as a SMA connectorized or a surface mount component. Other packages and connector types are available.

This model provides the following performance. Data is available upon request.

Specifications:

Frequency Range: 8.0 to 12.0 GHz
Gain: +15dB Typ.
Gain Flatness: +/- 0.75dB Max.
Noise Figure: 2.5dB Typ.
OP1dB: +13dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15VDC
DC Current Draw: 80mA Max.
Connectors In/Out: SMA Female
Finish: Gold Plated

Features:

Internal Voltage Regulation
Unconditional Stability
Standard Operating Temperature -20°C to +70°C

Available Options:

Various Package types
Various Connector types
Temperature Compensation
Hermetic Sealing
Gain and Phase Matching
MIL-STD-883 Screening Available

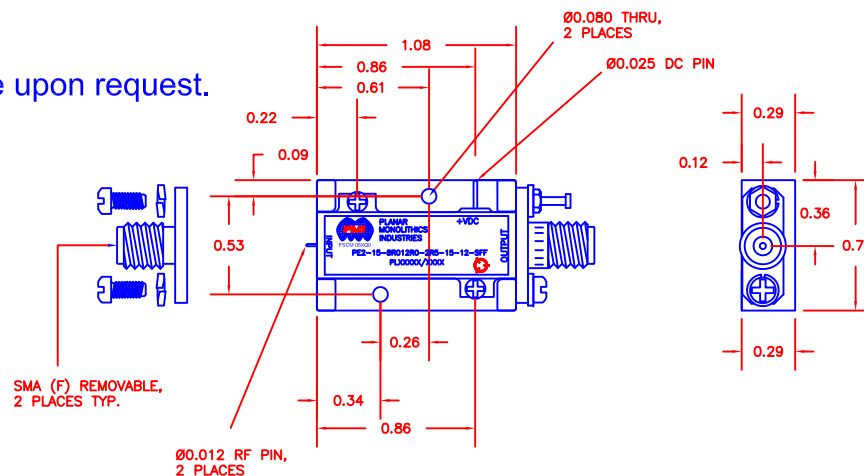
Environmental Ratings:

Temperature: -20°C to + 70°C (Operating)
-55°C to +125°C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

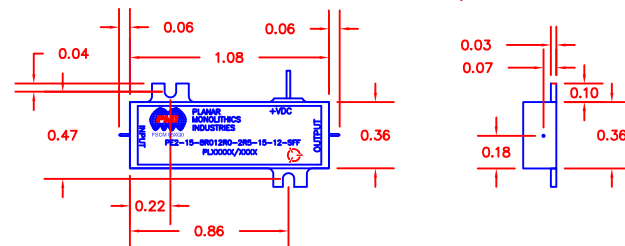
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	02/10/12	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

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APPROVALS		DATE		TITLE	
DRAWN	JRR	02/10/12		PRODUCT FEATURE	
CHECKED				PE2-15-8R012R0-2R5-15-12-SFF	
ISSUED					
SIZE	FSCM NO.	DWG NO.		REV.	
A	05XQ0	27016281		A	
SCALE	N:S			SHEET	1 OF 1